

Publication

EP 0799839 A3 19971022

Application

EP 97105173 A 19970327

Priority

US 62641296 A 19960402

Abstract (en)

[origin: EP0799839A2] A propylene homopolymer having a stick-point of 30 cm or less during melt spinning, an oligomer content of less than 1500 ppm without postpolymerization treatment to remove oligomers, and a melt flow rate greater than 300 dg/min is prepared by radiation visbreaking in a multistage fluidized bed reactor. The polymer is subjected to irradiation in the substantial absence of oxygen, followed by a multistage treatment in the presence of a controlled amount of oxygen. The radiation visbreaking process can also be applied to other propylene polymer materials. The propylene polymer materials produced by this radiation visbreaking process can be used, for example, for extrusion coating, film production, and injection molding.

IPC 1-7

C08F 8/50; **C08F 10/06**

IPC 8 full level

C08J 3/28 (2006.01); **B29C 45/00** (2006.01); **C08F 8/00** (2006.01); **C08F 8/50** (2006.01); **C08F 10/06** (2006.01); **C08F 110/06** (2006.01); **C08J 5/18** (2006.01); **C08L 23/10** (2006.01); **D01F 6/06** (2006.01); **D04H 1/4291** (2012.01); **D04H 1/56** (2006.01); **D04H 3/007** (2012.01); **C08F 210/06** (2006.01)

CPC (source: EP KR US)

C08F 8/50 (2013.01 - EP US); **C08F 10/06** (2013.01 - EP US); **C08J 3/28** (2013.01 - EP US); **C08L 23/0815** (2013.01 - EP US); **C08L 23/142** (2013.01 - EP US); **D01F 6/06** (2013.01 - EP KR US); **D04H 1/4291** (2013.01 - EP US); **D04H 1/56** (2013.01 - EP US); **D04H 3/007** (2013.01 - EP US); **C08F 110/06** (2013.01 - EP US); **C08F 210/06** (2013.01 - EP US); **C08J 2323/10** (2013.01 - EP US); **Y10T 428/2913** (2015.01 - EP US); **Y10T 428/2967** (2015.01 - EP US); **Y10T 442/60** (2015.04 - EP US); **Y10T 442/68** (2015.04 - EP US); **Y10T 442/696** (2015.04 - EP US)

C-Set (source: EP US)

1. **C08F 110/06** + **C08F 2500/12** + **C08F 2500/01**
2. **C08F 8/50** + **C08F 8/06** + **C08F 110/06**
3. **C08F 8/50** + **C08F 8/06** + **C08F 210/06**
4. **C08F 210/06** + **C08F 210/16** + **C08F 2500/01** + **C08F 2500/12**
5. **C08L 23/0815** + **C08L 23/142**
6. **C08L 23/142** + **C08L 23/0815**

Citation (search report)

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- [A] FR 2004491 A1 19691128 - BASF AG
- [A] US 4624993 A 19861125 - UPADHYAYA JANARDAN D [US]
- [DA] EP 0351866 A2 19900124 - HIMONT INC [US]
- [A] EP 0063654 A1 19821103 - HERCULES INC [US]
- [A] EP 0451804 A2 19911016 - MITSUI TOATSU CHEMICALS [JP]
- [DA] EP 0190889 A2 19860813 - HIMONT INC [US]

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